

**FRIEDMAN & BRUYA, INC.**

**ENVIRONMENTAL CHEMISTS**

Date of Report: 03/22/00

Date Received: 03/16/00

Project: Metro Self Monitor, PO# M63755

Date Extracted: 03/17/00

Date Analyzed: 03/20/00

**RESULTS FROM THE ANALYSIS OF THE WATER SAMPLE  
FOR TOTAL METALS BY  
INDUCTIVELY COUPLED PLASMA (ICP)  
(METHOD 6010)**

Results Reported as mg/L (ppm)

<u>Sample ID</u> Laboratory ID	<u>Chromium</u>	<u>Copper</u>	<u>Nickle</u>	<u>Zinc</u>
M63755 003105-01	0.38	0.43	0.43	<0.05
Method Blank	<0.05	<0.05	<0.05	<0.05

# FRIEDMAN & BRUYA, INC.

## ENVIRONMENTAL CHEMISTS

Date of Report: 03/22/00

Date Received: 03/16/00

Project: Metro Self Monitor, PO# M63755

### QUALITY ASSURANCE RESULTS FOR TOTAL METALS BY INDUCTIVELY COUPLED PLASMA (ICP) (METHOD 6010)

Laboratory Code: 003100-01 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	Relative Percent Difference	Acceptance Criteria
Chromium	µg/g (ppm)	0.06	0.06	0	0-20
Copper	mg/L (ppm)	<0.05	<0.05	nm	0-20
Nickel	mg/L (ppm)	0.06	<0.05	nm	0-20
Zinc	mg/L (ppm)	4.9	4.9	0	0-20

Laboratory Code: 003100-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	% Recovery MS	% Recovery MSD	Acceptance Criteria	RPD
Chromium	µg/g (ppm)	5	0.06	89	93	80-120	4
Copper	mg/L (ppm)	5	<0.05	93	95	80-120	2
Nickel	mg/L (ppm)	10	0.06	86	90	80-120	5
Zinc	mg/L (ppm)	5	4.9	95	100	80-120	5

Laboratory Code: Laboratory Control Sample


Analyte	Reporting Units	Spike Level	% Recovery LCS	% Recovery LCSD	Acceptance Criteria	RPD
Chromium	µg/g (ppm)	5	94	100	80-120	6
Copper	mg/L (ppm)	5	90	97	80-120	8
Nickel	mg/L (ppm)	10	94	101	80-120	7
Zinc	mg/L (ppm)	5	99	103	80-120	4

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

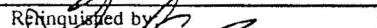
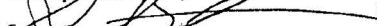
CS 3.16.2K AE,

## SAMPLE CHAIN OF CUSTODY

Company ASKA Copper - Wicks Contact Gerard A. Thompson  
Address 628 Bayshore St  
City, State, Zip Seattle WA 98134  
Phone # 206-382-8379 FAX # 206-382-4309 Date 3/16/00

SITE NO.		PROJECT NAME		PURCHASE ORDER #	
7238		metro self monitor		m 63755	
SAMPLES (signature)				PROJECT LOCATION	
				3200 6th Ave S.	
REMARKS				SAMPLE DISPOSAL INFORMATION	
				<input type="checkbox"/> Dispose after 30 days <input checked="" type="checkbox"/> Return Samples <input type="checkbox"/> Call for Instructions	

[illegible]

SIGNATURE	PRINT NAME	COMPANY	Date	Time
Relinquished by: 	Gerald A. Thompson	ACW	3/16/00	12:50
Received by: 	S. O'Brien	Ft B, Inc	3/16/00	12:50
Relinquished by:				
Received by:				

**FRIEDMAN & BRUYA, INC.**

**ENVIRONMENTAL CHEMISTS**

James E. Bruya, Ph.D.  
Charlene Jensen, M.S.  
Bradley T. Benson, B.S.  
Kurt Johnson, B.S.

3012 16th Avenue West  
Seattle, WA 98119-2029  
TEL: (206) 285-8282  
FAX: (206) 283-5044  
e-mail: fbi@isomedia.com

March 22, 2000

**DUPLICATE COPY**

**INVOICE #00ACU0322-1**

Accounts Payable  
Alaskan Copper Works  
628 South Hanford  
Seattle, WA 98134

RE: Project Metro Self Monitor, PO# M63755- Results of testing requested by  
Gerald A. Thompson for material submitted on March 16, 2000.

1 sample analyzed for Total Chromium,  
Copper, Nickel, and Zinc  
by Method 6010 @ \$80 per sample

\$ 80.00

Amount Due .....

\$ 80.00

FEDERAL TAX ID (b) (6)



FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

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3012 16th Avenue West  
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TEL: (206) 285-8282  
FAX: (206) 283-5044  
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March 22, 2000

Gerald A. Thompson, Project Manager  
Alaskan Copper Works  
628 South Hanford  
Seattle, WA 98134

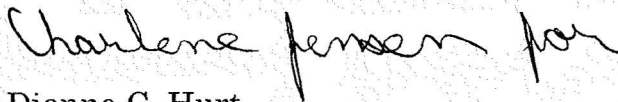
Dear Mr. Thompson:

Included are the results from the testing of material submitted on March 16, 2000 from your Metro Self Monitor, PO# M63755 project. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Dianne C. Hurt  
Project Manager

Enclosures  
ACU0322R.DOC